

Exercise 9(c)

1. i) 352      ii) 496 are divisible by 2.
2. 532, 9232 are divisible by 4.
3. 2936, 92760, 444320 are divisible by 8.
4. 543, 92349 are divisible by 3.
5. 1332, 4968 are divisible by 9.
6. 324, 2010 are divisible by 6.
7. 580, 755 are divisible by 5.
8. 9900, 0 is divisible by 10.
9. 5918, 68, 717, 10, 857 are divisible by 11.
10. 960, 8295 are divisible by 15.
11. i)  $64M3 - 6423$       ii)  $46M46 - 46146$
- iii)  $27M53 - 27153$
12. i)  $76M91 - 76491$       ii)  $77S48M - 775485$
- iii)  $62739$
13. i)  $39M2 - 3982$       ii)  $3M422 - 37422$
- iii)  $70975M - 709753$       iv)  $14M75 - 14575$

14. state, true or false:

i) If a number is divisible by 4, it is divisible by 8. F

ii) If a no. is a factor of 16 and 24, it is a factor of 48.  
T.

iii) If a number is divisible by 18, it is divisible by 3 and 6. T.

iv) If  $a$  divides both  $b$  and  $c$  completely, then  $a$  divides  $b+c$ .

v)  $a+b$  is  $a-b$  also completely. T